

Appl. No. 10/065,523

Reply to Final Office action of September 12, 2005

IN THE CLAIMS

1. (Previously Presented) A method for hoisting and positioning oilfield apparatus over a well head, comprising:
coupling the oilfield apparatus to a mast having at least two telescoping load bearing arms prior to extending the at least two telescoping load bearing arms, each of the at least two telescoping load bearing arms being comprised of a plurality of co-axially aligned segments;
lifting the oilfield apparatus through an action of synchronously extending the at least two telescoping arms; and
pivoting the at least two telescoping load bearing arms to position the oilfield apparatus over the wellhead.
2. (Previously Presented) The method of claim 1, wherein the at least two telescoping load bearing arms of the mast are pivotally mounted to a vehicle.
3. (Previously Presented) The method of claim 1, wherein at least one of the at least two telescoping load bearing arms includes a plurality of segments and a self-locking jack screw for extending a first one of the plurality of segments with respect to a second one of the plurality of segments.
4. (Previously Presented) The method of claim 3, wherein the at least one of the at least two telescoping load bearing arms includes a lifting chain for telescopically extending a third one of the plurality of segments out of the second one of the plurality of segments as the second of the plurality of segments is extending.
5. (Previously Presented) The method of claim 1, further comprising automatically limiting the degree to which the at least two arms may be pivoted based on an amount the at least two arms are extended.

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6. (Previously Presented) The method of claim 5, wherein automatically limiting the degree to which the at least two arms may be pivoted includes moving, with respect to points around which the at least two arms are pivoting, a mounting point of a mechanism causing pivoting of the at least two arms based on the amount the at least two arms are extended.

7. (Original) The method of claim 1, wherein the mast is mounted to a rear portion of a vehicle for transporting the mast to the well head.

8. (Previously Presented) A method for hoisting oilfield apparatus over a well head, comprising;

transporting the oilfield apparatus and a mast to well head on a vehicle, the mast having at least two telescoping load bearing arms pivotally mounted to the vehicle, each of the arms being comprised of a plurality of co-axially aligned segments;

coupling the oilfield apparatus to the mast when the mast is in a retracted position;

lifting the oilfield apparatus by an action of synchronously extending the at least two telescoping load bearing arms from the retracted position; and

pivoting the at least two telescoping load bearing arms to position the oilfield apparatus over the wellhead.

9. (Previously Presented) The method of claim 8, wherein at least one of the at least two telescoping load bearing arms includes a plurality of segments and a self-locking jack screw for extending a first one of the plurality of segments with respect to a second one of the plurality of segments.

10. (Previously Presented) The method of claim 9, wherein the at least one of the at least two telescoping load bearing arms includes a lifting chain for telescopically extending a third one of the plurality of segments out of the second one of the plurality of segments as the second of the plurality of segments is extending.

13. (Original) The method of claim 8, wherein the oiled field apparatus includes a coiled tubing injector.

14. (Original) The method of claim 13, further comprising transporting a blowout preventer on the vehicle, wherein the coiled tubing injector and blowout preventer are transported between the at least two arms and the blowout preventer and coiled tubing injector are mounted to pivot with the mast between a stowed position and an upright position.

15. (Previously Presented) The method of claim 13, further comprising, after lifting the coiled tubing injector and before pivoting the at least two telescoping load bearing arms to position the coiled tubing injector over the wellhead, lowering the coiled tubing injector by retracting the at least two telescoping load bearing arms and attaching it to a blowout preventer held in an upright position between the at least two legs.

16. (Original) The method of claim 8 wherein the oilfield apparatus is placed between the at least two legs during transporting the oilfield apparatus and the mast on the vehicle, the oilfield apparatus being transported to the site on the vehicle on a mounting that pivots with the at least two legs of the mast between a stowed position and at least an upright position.